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16 February 1970

MEMORANDUM FOR: Executive Director, NPIC

THROUGH   : Chief, Planning, Programming & Budgeting Staff, NPIC

SUBJECT   : PI Keys

1. On 18 February, the Department of Defense Keys Committee (DODKEYCOM) will meet at the Naval Reconnaissance Technical Support Center. The agenda will include a statement from both CIA/IAS and NPIC on their respective positions regarding the production of PI Keys.

2. As you know, the Center has a dual responsibility under the National Tasking Plan for producing PI Keys. They are 1) to produce keys for those substantive categories assigned to IEG and, 2) to provide graphic, publication, and dissemination support for all NTP participants involved in basic imagery exploitation (including keys) in the Washington area.

3. By this time, I expect that you have received a memorandum from IEG stating their position on keys. Information that I have been able to pick up in advance of their memo indicates a man-hour cost to IEG of some 25,000 hours to produce keys requested by the DODKEYCOM over the next 4 to 5 years. Assuming that the keys on Communist China now in the hands of PSG for final production is typical in size, the 25,000 hour figure will increase to about 35,000 NPIC man-hours. Of course, we must consider additional NPIC (PSG) man-hour costs for finished production of keys produced by other NTP participants.

4. In the case of IEG, their statement clearly indicates that they have only a limited need for PI keys in their work-a-day situation. IEG personnel unlike other NTP members (mostly military) are more experienced with greater expertise which reduces their need except as an initial PI training device (prior to attendance at the Offutt course) and for some use in expediting first-phase readouts. The IEG workloads in the basic reporting program, direct support efforts, first- and second-phase readouts (with probable increase in this area [ ] and etcetera   25 have been difficult in maintaining production schedules. To add on the production of keys will further jeopardize scheduling in most categories.

5. The impact for the finished production of keys by PSG appears even larger and for a longer period of time. The man-hour resources of the PSG/RD/Publications Branch is assigned at a level of approximately 80% to the Basic Reporting Program. The remainder is assigned to the production of third-phase direct support publications, PIMs, IPIRs, Briefs,

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SUBJECT: PI Keys

OAKs, Technical Publications, and special publications. The Basic
Reporting Program has had its problems as you know. If the FY '71
Basic Report package is successfully programmed, we will still be
in a poor situation regarding PI keys. PSG currently plans to start
work on the China keys in August because in years past, the first-
quarter "basics" started slowly. If we can program a larger level
of basic inputs early in the first-quarter '71 to maintain a consistent
level over the year, work on the China keys may start at a much reduced
level or be delayed indefinitely.

6. Considering the situation in both Groups, it would seem to be
poor judgement on the part of the Center to commit itself to scheduled
production of PI keys. Also, if the Center (as certainly seems to be
the case at the moment) commits itself to only a minimum amount of
continuous man-hour support to the keys program, the lapsed time
between start and completion of one set of keys would probably exceed
one year -- a counterproductive situation.

7. I plan to attend the DODKEYCOM meeting at NRTSC to state (explain?)
the NPIC position on "Keys" per your determination -- not so much of NPIC
opposition to its assigned responsibility under the NTP but rather, the
heavy demands in all areas placed on limited NPIC resources.

8. Since I haven't been able to uncover any reasonable alternatives
at this time, I can only recommend that the Center request the DODKEYCOM
to consider a moratorium on the production of keys until a clearer
evaluation can be made by all concerned. Joint considerations should
include 1) complete validation of the need for PI keys, 2) various
formats of keys toward a significant reduction in production costs,
3) establish priority levels of PI key production against the Basic
Reporting Program (all NTP participants), 4) evaluation of the Center
production capabilities against established priorities, and 5) joint
recommendation to the COMIREX.

Acting Chief, Requirements Analysis Division
PPBS   25X

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2/17/70   JJH, PNS [   ], AEM

1. We understand there is a need

2. NPIC is searching for an <u>unstructured</u> (unscheduled) approach that will fit easily into the production cycle that will permit PI's to exchange

3. NPIC does not have resources to prepare Keys on the scale, in the format or within the time frame being considered

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MEMORANDUM FOR: Chief, Planning, Programming
and Budgeting Staff

SUBJECT: IEG Position on PI Keys

1. This memorandum presents IEG recommendations concerning the DoD Joint Imagery Interpretation Keys Committee request for NPIC to produce seven imagery interpretation keys and update one of these keys by 1974. On the basis of our needs for such keys, and an approximation of costs, IEG recommends against undertaking their production.

2. The keys requested and their requesters are:

    a. Missile Development and Test Facilities - Navy;
    b. World Nuclear Weapons Installations - Air Force;
    c. Missile Propulsion Facilities - Air Force;
    d. Land Based Radio Communications and Navigational Aids - DIA;
    e. Soviet and Communist China Strategic SSM - DIA;
    f. Explosive Industry - DIA;
    g. Chemical Processing Industries - Air Force.

3. Under the National Tasking Plan, NPIC is responsible for production of PI keys in five areas:

    a. Deployed SSM and ABM Missile Facilities and Missile Ranges
    b. Deployed Communications, Electronics and Radar Facilities
    c. Strategic Weapons Industrial Facilities
    d. Atomic Energy Facilities
    e. CBR Facilities

4. On the basis of NPIC/NTP responsibilities, we do not have responsibility for production of keys on explosives or chemical industries. FTD is responsible for SSM equipment-as distinguished from SSM facilities.

5. Generally, in the missile areas where we have responsibility, launch facilities associated with the Soviet and, for that matter Chinese, missile development and test installations are, almost without exception, unique in their configuration and served by largely unique missile-asso-

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SUBJECT: IEG Position on PI Keys

ciated equipment. The need for producing PI keys to aid in the identifi-
cation of a series of single and unique launch areas (e.g., launch area
G1-G2 at Tyuratam Missile Test Center) is non-existent. To do so would
require a large number of man-hours, and would not result in a useful
product.

6. IEG's two functional divisions both feel that keys in the areas
listed above are unnecessary for them. Their expertise in their areas of
responsibility is currently well developed and their procedures for train-
ing new personnel are considered effective. -

7. The geographic divisions use keys of all types in performing
their first- and second-phase responsibilities. In order to ensure the
best identifications in the functional areas mentioned above, the
geographic divisions coordinate their identifications with the functional
divisions. Keys over a period of time could help reduce such coordination
time. However, since the geographic divisions currently have enough
experienced personnel to keep this required coordination within reasonable
limits, keys would be only a minor aid in reducing total exploitation time.

8. Keys prepared on ☐ photography in the seven categories proposed
would be beneficial to new PIs. Other keys of value include such subjects
as OB, military facilities, and a wide range of industrial targets.
Available files of reference materials, however, satisfactorily fulfill
this need and are much easier to update.

9. We have redefined the seven requests in terms of NPIC/NTP re-
ponsibilities and estimate costs for producing simple recognition keys
with little or no text at approximately 25,000 PI man hours. The specific
topics and estimates are, in man hours:

    a. World Nuclear Weapons Installation - 2,300
    b. Land Based Radio Communications and Navigational Aids -
       2,300-2,800
    c. Missile Development and Test Facilities - 5,000
    d. Soviet and Communist China Strategic SSM - 5,000
    e. ABM Development and Test Facilities plus ABM Deployment -
       4,000
    f. Missile Manufacturing Facilities and Static Test
       Facilities - 6,000

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SUBJECT: IEG Position on PI Keys

    10.   Since IEG contains the people who accomplish all phases of imagery interpretation in our NTP-assigned reporting areas, IEG management is in the best position to determine the needs for keys in these areas. The needs appear to be at an absolute minimum and we conclude that any effort expended in this direction should be internal and on a continuing basis as needed by the divisions.

    11.   For our internal needs, we lean toward chips and already prepared documents. A format recently suggested in one of our divisions utilizing 5 X 8 cards with sketches, stereogram, and written description is gaining acceptance throughout IEG and might be worthy of presentation to the key committee.

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Chief, Imagery Exploitation Group
NPIC

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